

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S2	19	((("4218306") or ("6416656") or ("5846403") or ("2908630") or ("3246960") or ("3617497") or ("5271826") or ("4422925") or ("4985133") or ("4218306") or ("6123832") or ("4764268") or ("4869807") or ("5616237") or ("4818372") or ("5087349") or ("5389232") or ("5954942"))).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/12/12 13:50
S3	2	("3246960").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/12/11 16:05
S4	1	("4869807").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/12/11 16:05
S5	19	((("4218306") or ("6416656") or ("5846403") or ("2908630") or ("3246960") or ("3617497") or ("5271826") or ("4422925") or ("4985133") or ("6123832") or ("4764268") or ("4869807") or ("5616237") or ("4818372") or ("5087349") or ("5389232") or ("5954942"))).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/12/12 08:41
S6	22	("3182011"   "3617497"   "3847793"   "3856659"   "3886060"   "3894936"   "3896024"   "3904548"   "4147617").PN. OR ("4218306").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/12/12 10:07
S7	10830	((422/139,147,214,212) or (208/78,113,120.01,120.15,70,100,103,49,63,64,65,66,67,72,73,74,75,106,81,146,147,148,149)).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/12/12 10:08
S8	3356	S7 and @ad<"20030603"	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/12/12 10:08
S9	130	S8 and ((first or primary or main) (feed or stream) and (secondary or second) (feed or stream))	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/12/12 10:13
S10	81	S9 and riser	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/12/12 10:13
S11	21	S10 and (y or ZSm-5) zeolite	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/12/12 10:18

## EAST Search History

S12	9	S10 and catalyst upward\$3	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/12/12 10:19
S13	5	S10 and catalyst upward	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/12/12 10:21
S14	5	S10 and catalyst downward	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/12/12 10:22
S15	0	S10 and reactive catalyst downward	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/12/12 10:22
S16	0	S8 and reactive catalyst downward	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/12/12 10:24
S17	0	S8 and (reactive or regeneration) catalyst downward	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/12/12 10:24
S18	1	S8 and (reactive or regeneration) with catalyst downward	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/12/12 10:34
S19	15	S8 and (reactive or regeneration) with catalyst (downward or countercurrent or counter current or downwardly)	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/12/12 10:35
S20	0	heavy distillation gas oil	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/12/12 13:50
S21	0	heavy distillation and low aromatic gas oil	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/12/12 13:51
S22	0	(heavy distillate and low aromatic) gas oil	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/12/12 13:51
S23	0	(distillate and low aromatic) gas oil	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/12/12 13:51